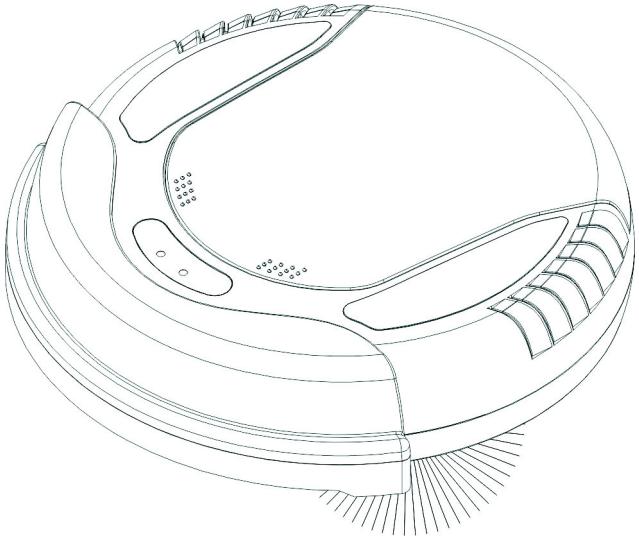
AiBOT
Robotic Vacuum Cleaner



RC 320A
User's Manual

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SAFETY INSTRUCTIONS

Read the safety instructions in the Operation Manual before operating RC 320A and keep this manual handy for your future reference. Observe the basic safety rules to prevent any occurrence of fire, electric shock and personal injury.

Safety Instructions

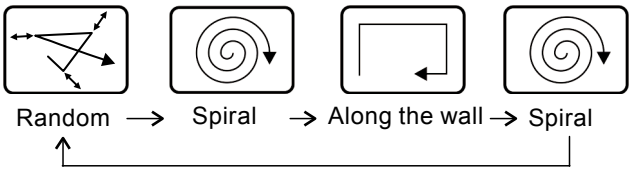
1. Read the Operation Manual before operating RC 320A.
2. Do not operate RC 320A outdoors.
3. Before starting RC 320A, be sure to install the RC 320A dust bin filter properly in case of any damage of RC 320A.
4. Do not operate RC 320A on wet floor or in moisture conditions, e.g. a bathroom. Water and moisture could damage the circuit board in the RC 320A.
5. Before you use RC 320A remove any loose articles on the floor such as clothes, paper, loose cables, or extension cords as well as making sure to lift curtains and drapes off the floor to avoid any possible accidents. In case of a loose cable is tangled with RC 320A, the cable might move around with RC 320A as RC 320A works and topple down the table, chairs, or cabinet and cause property damage.
6. Never stand or sit on RC 320A. Beware of children or pets while RC 320A is in operation.
7. Never use RC 320A to clean up almost lit cigarette butts or burning ashes from a fireplace.
8. Never use RC 320A to clean up combustible or highly volatile liquids such as gasoline.
9. While RC 320A is in operation, make sure all doors leading outside are closed.
10. During operation, the heat vent should not be clogged. If heat vent is clogged, RC 320A could be damaged.
11. If RC 320A malfunctions or is damaged by force, do not operate RC 320A regardless the cause. Call your local dealer for service information.
12. Turn off the power and remove the battery from RC 320A if the unit will not be used for a long period of time.

Battery and Recharging Instructions

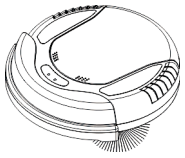
1. The battery is rechargeable. Use the voltage and current specified on the packing. If you are not sure of the voltage and current of your house, contact your local power company or a licensed electrician.
2. Use only the battery supplied with your RC 320A.
3. The charging adaptor is for indoors only.
4. Use only the charging adaptor supplied with your RC 320A.
5. Do not recharge the battery if the cable or plug of the battery is damaged.
6. Never touch the charger, plug or cable with damp hands.
7. If RC 320A requires cleaning, unplug the adaptor, switch off the unit and take out the battery.
8. Take out the battery pack before disposing of the unit.
9. Switch off RC 320A before taking out the battery.
10. Recycle and dispose the waste battery properly.

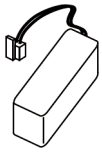
SPECIAL FEATURES

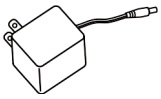
Congratulation on purchases the RC 320A Robotic Vacuum Cleaner.
This revolutionary Robotic Vacuum Cleaner is equipped with functions suitable for cleaning up floor surfaces of home and office such as wood, tile, and linoleum. You can also operate this unit with the provided micro fiber cloth to help you clean more effective
The RC 320A Robotic Vacuum Cleaner is definitely a household helper.

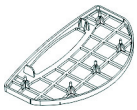


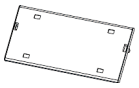
PACKAGE CONTENTS

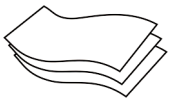

RC 320A Cleaner


Rechargeable Battery

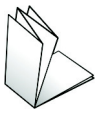

Adaptor


Dust Bin Filter x2

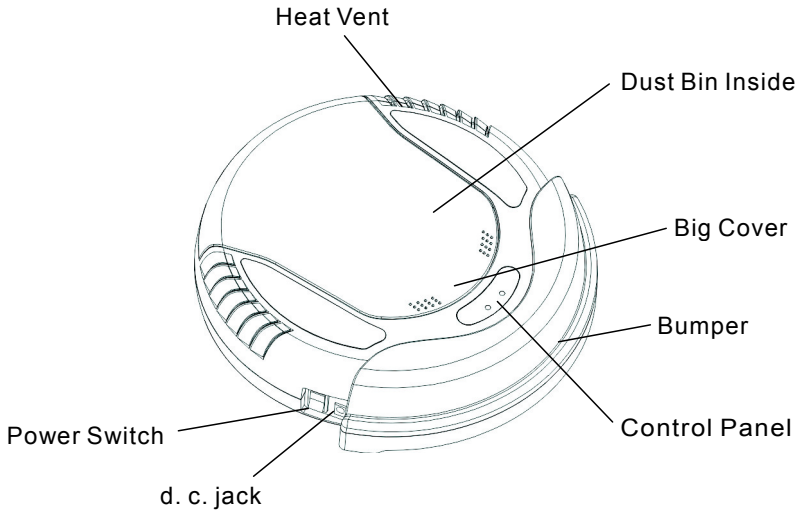

Dust Paper Holder

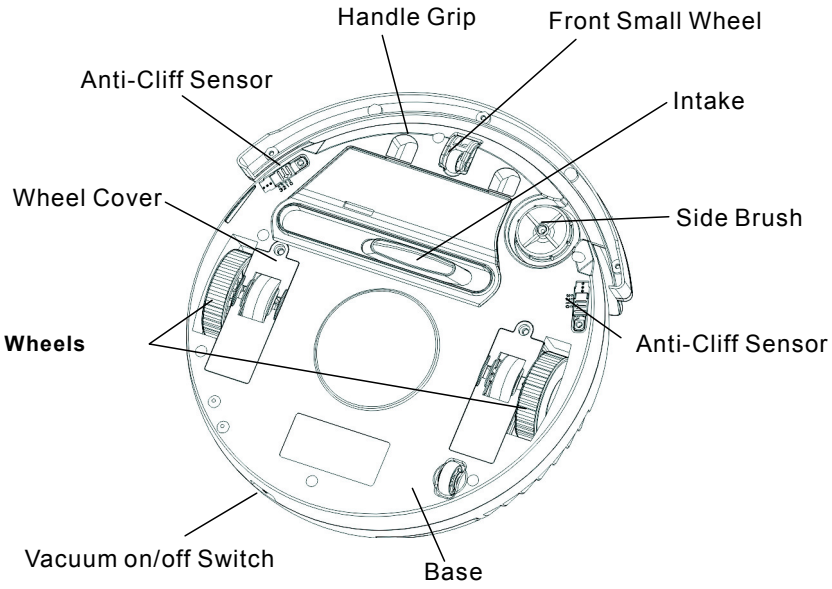

Dust Paper x3

User's Manual (CD ROM)


Multi-language Quick Guide

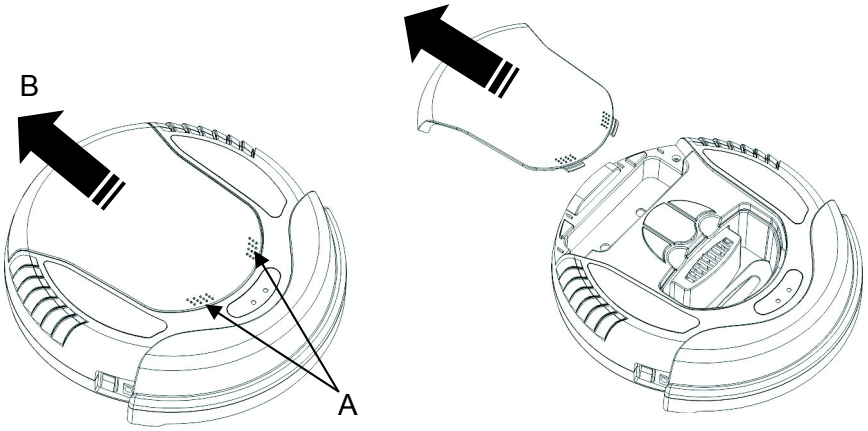
Side Brush x 2

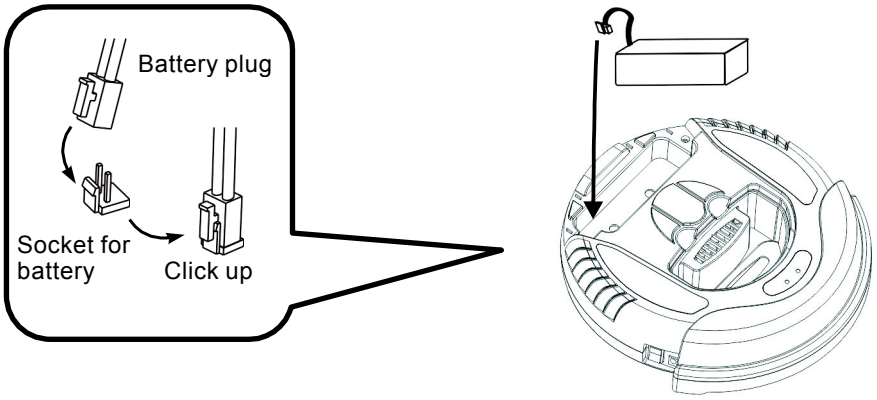

Heat Vent
Dust Bin Inside
Big Cover
Bumper
Control Panel
Power Switch
d. c. jack


Handle Grip
Front Small Wheel
Anti-Cliff Sensor
Intake
Wheel Cover
Side Brush
Wheels
Anti-Cliff Sensor
Vacuum on/off Switch
Base

BATTERY INSTALLATION AND REMOVAL

1. Make sure the power switch of RC 320A is turned off.
2. Press and slide the battery cover (see image below).
3. Insert the battery plug into the socket (check the direction).
4. Place the battery in the battery section and put the big cover back on the unit.
5. To remove the battery, follow step #3 above in reverse.

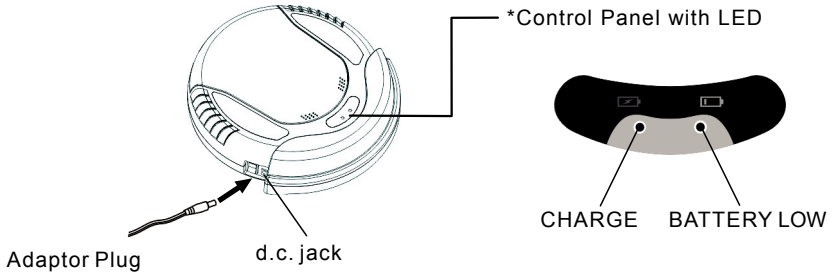




RECHARGING BATTERY

1. To ensure the best performance of the rechargeable battery and lengthen its life span, the battery is best used after it is fully charged for 8 hours every time.
2. The charging function will be cut off automatically for continuously charging 8 hours. Before charging, make sure the battery is correctly installed and the power switch has been turned to “OFF” position.
3. To do recharge, plug one end of the d. c. adaptor into the jack on the RC 320A and the other end into the AC power outlet to charge.
4. When charging, the “CHARGE” LED indication lamp on the control panel of RC 320A (as below will flash green, and it will stay green when the battery is fully charged.
5. When the “BATTERY LOW” LED indication lamp on the control panel (below) will stay RED.

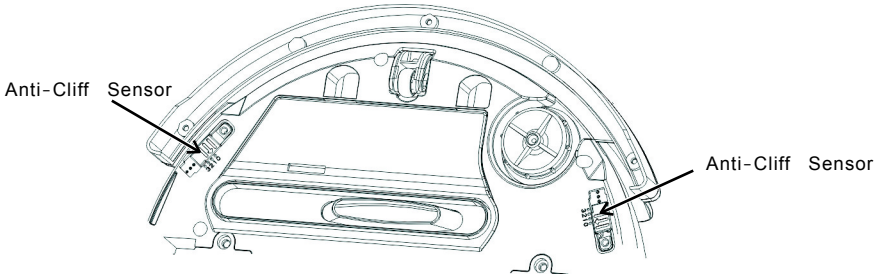
*If you forget to turn off the power of RC 320A before charging, after the cleaner is fully charged, you have to turn off the cleaner and turn it on again to make it start cleaning.



ADJUSTMENT OF ANTI-CLIFF SENSORS

If the distance between the stair and the ground is shorter than usual (around 2-3cm), you can adjust the windows of both "Anti-cliff" sensors from "2" or "1" or "0" position to prevent the cleaner from falling down stairs. You can test it before starting to clean.

* NOTE: If the color of the floor is dark (e.g. Black), it means the reflectivity of the floor will confuse RC 320A and it might move backward continuously. Under this circumstance, open the window position to the max (’2’ or ‘3’ positions).



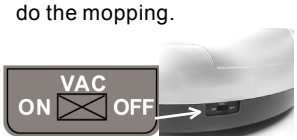
GENERAL OPERATION

Preparation for Operation

To ensure the efficiency of RC 320A, remove any loose articles on the floor such as clothes, paper, loose cables and extension cords as well as making sure to roll up curtains and drapes off the floor to avoid any possible accidents. In case of a loose cable is tangled with RC 320A, the cable might move around with RC 320A as it works and topple down a table, chairs, or a cabinet and cause property damage.

Start Operation

1. Be sure to clean up the dust bin and be sure that the dust bin filter is installed properly.
2. Place the cleaner in an area with more free space in the room, power on and VAC switch is in “ON”, start working.
3. When the cleaner runs out of power, the “BATTERY LOW” LED on the unit will turn red and the cleaner will automatically stop.
4. When the cleaner is not in use or prior to recharging, make sure the power switch is in the “OFF” position.
5. You may switch off the vacuum motor(VAC in ”OFF”) as shown below to have the cleaner just do the mopping.

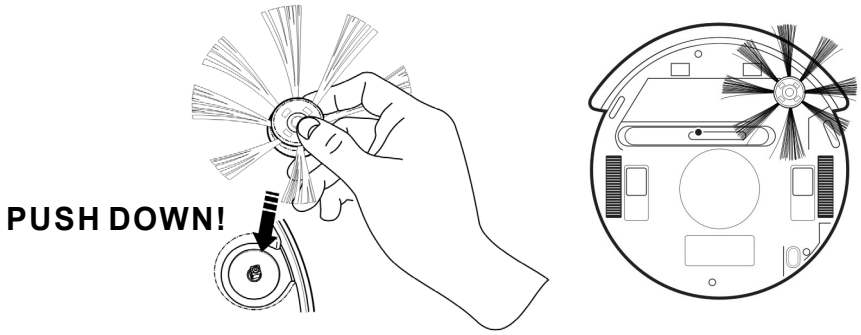


* Caution: Remove the dust paper holder and side brush before using on the carpet.

*This product is not suitable for long-pile carpets.

INSTALLING SIDE BRUSH

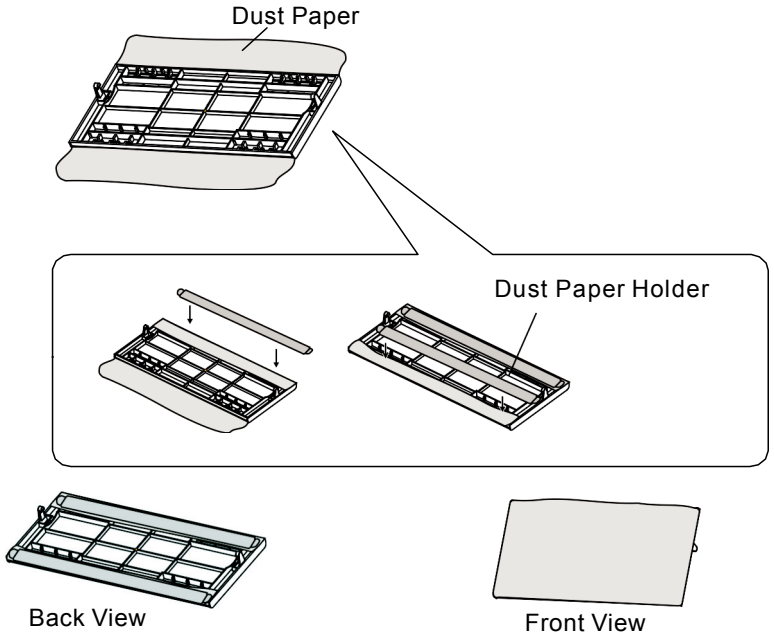
Put the brushes in the holders then mount the brush as shown in Fig.

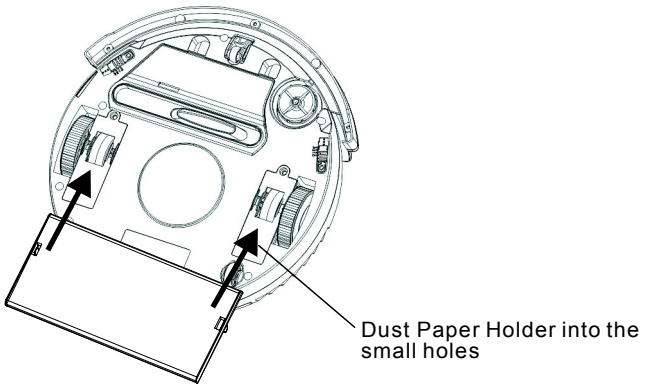


USING DUST PAPER

1. Insert the border of the dust paper into the grip slot of the dust paper holder.
2. Put the 2 bolts of the dust paper holder at the 2 holes (inside the 2 big wheels) and click the holder on the bottom of the cleaner.

*Be sure to install the dust paper first before the cleaner starts to clean with the dust paper holder.



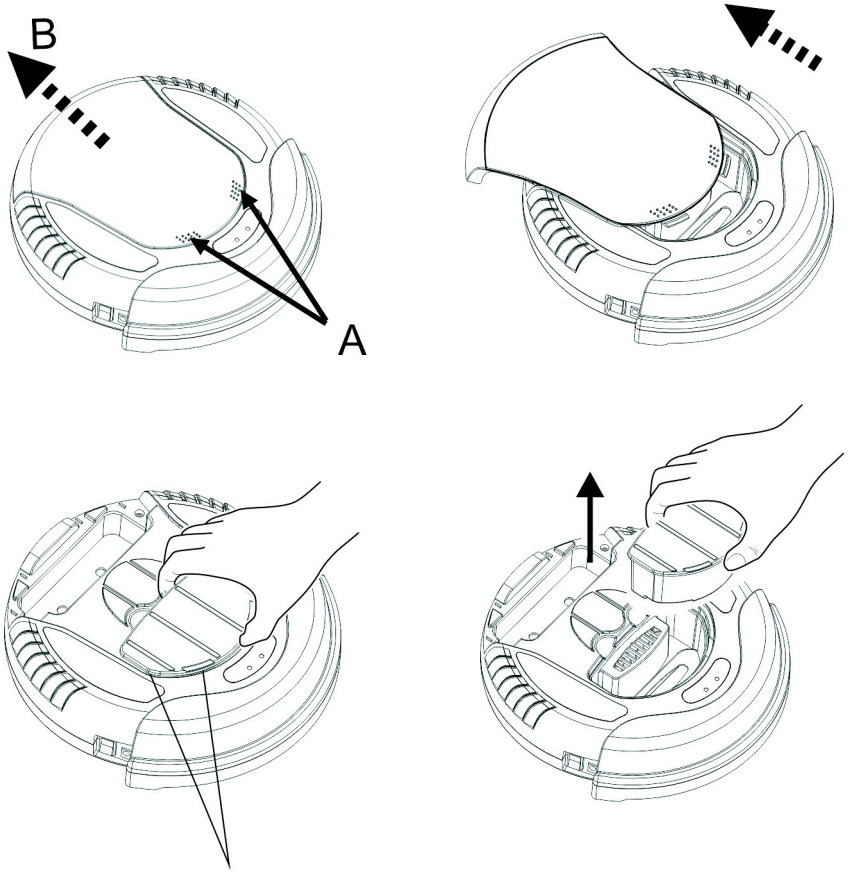


CLEANING AND MAINTENANCE

We suggest after each use, clean any dirt left behind in the dust bin and filter.

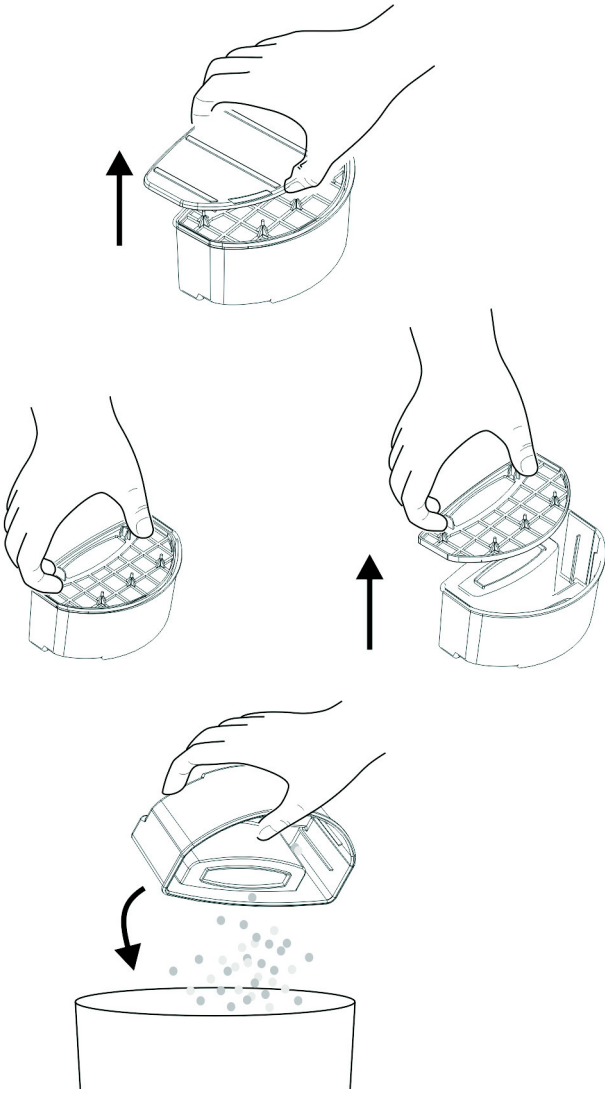
Cleaning the Dust Bin

1. Press the "A" points and slide the cover in the direction of arrow "B" shown below to remove the big cover from the cleaner.
2. Take out the dust bin from the cleaner.



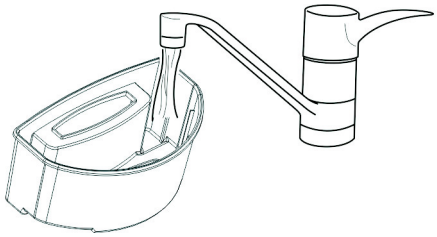
Grip slot for the dust bin

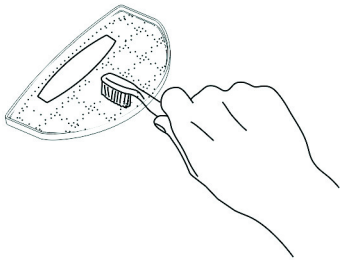
3. Open the upper cover of the dust bin.
4. Lift up and take out the filter.
5. Empty the dust bin.

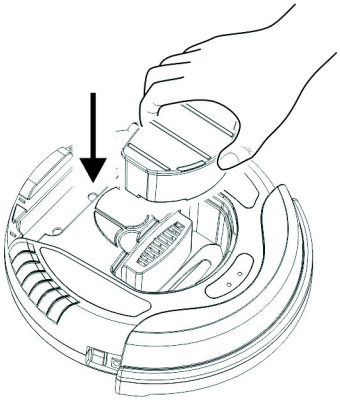


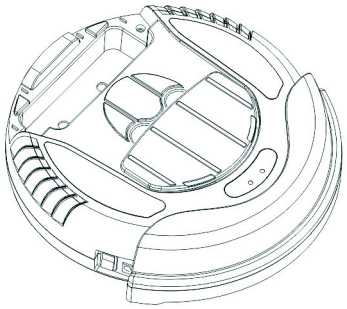
6. Rinse the dust bin with tap water. It is not necessary to wash every time. Do not put it into a washing machine for cleaning.
7. Periodically clean the filter with a soft bristle brush.
8. Once dry, reinstall the filter and the dust bin lid.
9. Place the dust bin back into the cleaner.

Note!! Before starting the cleaner, make sure the dust bin filter is in the cleaner.



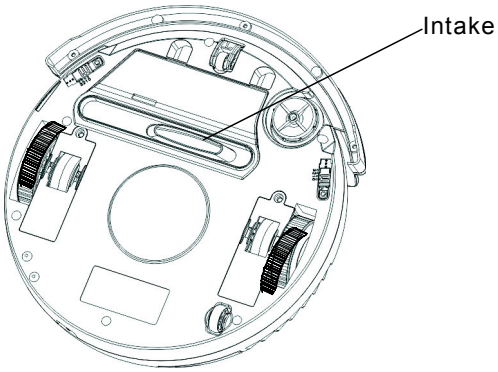






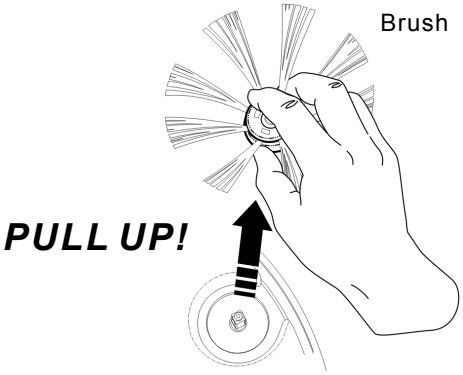
Cleaning the Intake

After repeated use, dirt and dust can accumulate around the intake of the RC 320A and the working efficiency can be reduced. To ensure the best efficiency and constant airflow, the intake should be cleaned periodically.



Cleaning Side Brush

1. Pull up the brushes and remove any hair as shown in Fig.
2. The side brushes can be rinsed and if they become crooked, you can soak them in hot water so they return to their original shape.
3. After being used for a period of time, the brush should be replaced for more efficiency.
4. The side brush can be rinsed. If it becomes crooked, you can scald them in hot water to make them recover to original shape.



TROUBLE SHOOTING

	Problem	Possible Cause	Solution
1	The power low indication lamp lights up after RC 320A is turned on.	Battery power is low due to the following reasons: 1.The batteries are not fully charged yet. 2.The batteries have self-discharged after a period of idleness.	Recharge the batteries.
2	Cannot start the robot after Power On.	1.Battery is not installed properly. 2.Battery Low.	1.Install the battery again correctly (refer to the Operation Manual for battery installation) 2.Recharge the battery again.
3	No LED indicator shown, cannot charge the batteries via the robot	1.Batteries are not installed properly. 2.Faulty adaptor.	1.Check if the batteries are installed correctly (with the correction +/- directions) 2.Contact your local dealer for service.
4	The robot cannot be started after Charging.	1.Batteries are not installed properly. 2.Faulty batteries.	1.Ceck if the batteries are installed correctly (with the correction +/- directions) 2.Replace all or the faulty batteries, then recharge the robot again.
5	Power indication lamp of the robot still blinks after it's charged over 16 hours.	There might have been a slight pause of the power supply during the recharge.	The robot is operable if the batteries have been charged over 8 hours on (if the robot is operated without full re-charge, the working time will be shorter)
6	The working time of the robot has become a lot shorter.	The batteries are aged.	Replace the whole lot of batteries with new batteries. Remember to use batteries of the same brand and same capacity.

Frequently Asked Questions (FAQs)

A. Battery and Charging

1. **How long does it take to fully charge the robot**
   It takes about eight hours to fully charge the robot.

2. **Why does it take so long to charge up the battery?**
   The robot uses a slow charging technology which could keep up the work performance and li span of the rechargeable batteries better.

3. **Why is the green lamp still blinking after 8 hours of charging?**
   As the recharge function relies on the timer inside the robot, in case the charging power input has been interrupted during the recharge, the timer will re-start counting (so the power indication lamp will still be blinking in green.) It will stop again after 8 hours of uninterrupted charging.

4. **Would I get electric shock if I touch the robot when it is recharging?**
   NO. The output of the contact points is only 19V. It is safe for humans and pets.

5. **Do I need to turn off the robot before charging it?**
   YES. Please turn off the robot before recharging, otherwise it could not be recharged properly.

6. **Would the robot be overcharged or get burnt if it is connected to the adaptor all the time?**
   NO. The recharge will stop automatically after 8 hours. However, if you expect a longer period of idleness, it is recommended to unplug the adaptor.

7. **What would happen if I start using the robot before it gets fully charged?**
   It will still work until the voltage drops to a certain level and stop on the floor. The working tim would be shorter than normal.

8. **How long is the battery life? When do I need to replace with new batteries?**
   Lifespan of Ni-MH batteries is usually around 9-12 months (it will also depend on the usage and storage condition). When the batteries start to age, the working time will drop gradually. When the working time drops to a level that the robot can not clean up your home effectively (you still find obvious dirt on floor after the cleaning program) you need to replace with new batteries.

Frequently Asked Questions (FAQs)

B. Applications

1. **Why is the suction power of this robot so low**? **Can it clean my floor effectively**?
   SURE! The robot is designed to handle everyday dirt in our home, which includes dust, hair, dead skin, pet hair, food crumbs, etc. All these are very light in weight but it is tedious for us to clean by ourselves day after day. The robot is a lot more effective in cleaning all these tiny dirt, thanks to its fuzzy logic program, and the robot uses very little power, so it saves you a lot of energy (and money) as well as keeping itself extremely quiet during operation.
2. **Do I need to keep my pet or baby away while the robot is working**?
   NO. The robot is so gentle and quiet it will not scare anybody or even a pet. But you are still recommended to observe in the first few runs of the robot to see how your baby or pet react to the motion of the robot just for safety reasons.
3. **Is the robot able to handle watered floor**?
   NO. Water and moisture would damage the robot.
4. **Is the robot able to treat wooden floor other than tile floor**?
   YES. The robot is designed to work on a tiled floor, wooden floor and linoleum floor.
5. **Is the robot suitable for outdoor use**?
   NO. Never use the robot outdoors. Weather could damage it.
6. **Do I need to clean up the dust bin every time after vacuuming**?
   You are recommended to clean it up and remove dusts/hair on the filter with a soft brush gently for every two times of use. It would extend the lifespan of your filter if you take good care of it.
7. **Do I need to maintain the robot frequently**?
   NO. The robot is designed to be so user friendly that you just need to inspect the side brushes every month to see whether there is any tangled hair. If there is any, remove them by unscrewing the side brushes and screwing them back in good order upon completion.
8. **What will happen if the robot gets stuck**?
   Thanks to the user-friendly design, it will stop itself if it gets stuck.
9. **How long the robot can run after it is fully charged**?
   The robot can run continuously for around 60 minutes if it is fully charged and in good condition. However, it would remain around 80% of the original running duration after the battery is aged.
10. **There are several bedrooms in my home**, **could the robot clean up all of them**?
    The working area for RC 310A is around 620-650 square feet (around 60 square meters). Simply keep all the room doors open, the robot will go inside and clean them one by one.
11. **My home is quite big**. **Could I use RC 320A**?
    Yes, you can. However, since the working area for RC 320A is around 620-650 square feet (around 60 square meters), you may need to separate your home into several portions and do the cleaning in several rounds. Our recommendation is to consider a model from our range which could handle larger working area.